

## FOLR1 Protein, Canine (HEK293, Fc)

Cat. No.:	HY-P76936
Synonyms:	Folate receptor alpha; FR-alpha; FBP; FOLR1; FOLR
Species:	Canine
Source:	HEK293
Accession:	E2QXC4 (R25-M228)
Gene ID:	609612
Molecular Weight:	Approximately 50.7 kDa.

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	FOLR1 is a member of the folate receptor (FOLR) family, and the FOLR1 protein is a key mediator of folate uptake, binding to folate and reductive folate derivatives and promoting the entry of 5-methyltetrahydrofolate and folate analogs into the cell interior. FOLR1 is also important for normal embryonic development and normal cell proliferation. Autoantibodies to FRA have been linked to neurodevelopmental disorders, particularly brain folate deficiency, schizophrenia, and autism spectrum disorders. FOLR1 enhances the stability and nuclear translocation of β-catenin through the EGFR/AKT/GSK3β axis, thereby promoting the proliferation and migration of laryngeal squamous cell carcinoma (LSCC). FOLR1 is highly expressed in a variety of tumors and is a potential prognostic and therapeutic target for many cancers <sup>[1][2][3]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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